



## List of scientific papers in 2017 published by field science group in Graduate School of Agricultural Science, Tohoku University

journal or publication title	Journal of Integrated Field Science
volume	15
page range	93-93
year	2018-10
URL	<a href="http://hdl.handle.net/10097/00124034">http://hdl.handle.net/10097/00124034</a>

## List of scientific papers in 2017 published by field science group in Graduate School of Agricultural Science, Tohoku University

### *The Forest-Andisols Group*

- Ando, Y., Y. Fukasawa and Y. Oishi (2017) Interactive effects of wood decomposer fungal activities and bryophytes on spruce seedling regeneration on coarse woody debris. *Ecological Research*, 32: 173-182.
- Bayandala, K. Masaka and K. Seiwa (2017) Leaf diseases facilitate the Janzen–Connell mechanism regardless of light conditions: a 3-year field study. *Oecologia*, 83(1): 191-199. DOI: 10.1007/s00442-016-3757-4
- Baba, Y., Y. Matsuki, Y. Mori, Y. Suyama, C. Tada, Y. Fukuda, M. Saito and Y. Nakai (2017) Pretreatment of lignocellulosic biomass by cattle rumen fluid for methane production: Bacterial flora and enzyme activity analysis. *Journal of Bioscience and Bioengineering*, 123 (4): 489-496.
- Choi, H. J., T. Ito, M. Yokogawa, S. Kaneko, Y. Suyama and Y. Isagi (2017) Population and genetic status of a critically endangered species in Korea: *Hydrangea luteovenosa* (Hydrangeaceae). *Korean Journal of Plant Taxonomy*, 47 (1): 1-5.
- Fukasawa, Y. (2017) Ecology of wood decay fungi. *Kyoritsu shuppan*.
- Fukasawa, Y., Y. Ando and Z. Song (2017) Comparison of fungal communities associated with spruce seedling roots and bryophyte carpets on logs in an old-growth subalpine coniferous forest in Japan. *Fungal Ecology*, 30: 122-131.
- Fukasawa, Y. and Y. Ando (2017) Species effects of bryophyte colonies on tree seedling regeneration on coarse woody debris. *Ecological Research*, 33: 191-197.
- Fukasawa, Y. and Y. Ando (2017) The effects of wood decay type on the growth of bryophyte gametophytes. *Journal of Bryology*, 40 (2): 159-162.
- Fukasawa, Y. and Y. Komagata (2017) Regeneration of *Cryptomeria japonica* seedlings on pine logs in a forest damaged by pine wilt disease: effects of wood decomposer fungi on seedling survival and growth. *Journal of Forest Research*, 22: 375-379.
- Fukasawa, Y., Y. Komagata and S. Kawakami (2017) Nutrient mobilization by plasmodium of myxomycete *Physarum rigidum* in deadwood. *Fungal Ecology*, 29: 42-44.
- Fukasawa, Y. (2017) The growth of four tree species seedlings on soil and decayed wood of *Pinus densiflora*. *Journal of Integrated Field Science*, 14: 1-14.
- Fukasawa, Y., Y. Komagata and S. Ushijima (2017) Fungal wood decomposer activity induces niche separation between two dominant tree species seedlings regenerating on coarse woody material. *Canadian Journal of Forest Research*, 47: 106-112.
- Hasegawa, Y., Y. Suyama and K. Seiwa (2017) Flowering phenology of duodichogamous self-incompatible tree species, *Castanea crenata*. *Japanese Journal of Ecology*, 67:31-39. (in Japanese)
- Inao, E., K. Moriya, C. Konno, K. Onodera, J. Sasaki, H. Shima, T. Ito and H. Kanno (2017) Soil Database of Tsunami Affected Agricultural Land following the East Japan great earthquake. *Bulletin of the Miyagi Prefectural Agriculture and Horticulture Research Center*, 85: 42-50. (in Japanese with English abstract)
- Kato, S., Y. Fukasawa and K. Seiwa (2017) Canopy tree species and openness affect foliar endophytic fungal communities of understory seedlings. *Ecol Res*, 32: 157–162. DOI: 10.1007/s11284-016-1426-z
- Kanomata, Y., J. Fujiwara, S. Ono, T. Yanagida, H. Kanno and Y. Yoshida (2017) Studies of the Late Palaeolithic Culture in the Northwestern Mountainous Area in Miyagi Prefecture: the 1st Term Excavation at Sunasaka Site in Kami Town. *Bulletin of the Miyagi Prefectural Agriculture and Horticulture Research Center*, 16: 5-26. (in Japanese with English abstract)
- Kanno, H. (2017) Impact of the 2011 Tohoku-oki Earthquake Tsunami on Cultivated Soil in Miyagi Prefecture, Northeastern Japan: An Overview. *The 2011 Japan Earthquake and Tsunami: Reconstruction and Restoration, Advances in Natural and Technological Hazards Research*, 47: 341-354.
- Matsukura, K., D. Hirose, M. Kagami, T. Osono and Y. Yamaoka (2017) Geographical distributions of rhytismataceous fungi on *Camellia japonica* leaf litter in Japan. *Fungal Ecology*, 26: 37-44.
- Nanzyo, M. (2017) Role of clays and other inorganic materials in soils, fertilizers, agriculture and forestry. *Journal of the Clay Science Society of Japan*, 55: 88-96. (in Japanese with English abstract)
- Parducci, L., K. D. Bennett, G. F. Ficetola, I. G. Alsos, Y. Suyama, J. R. Wood and M. W. Pedersen (2017) Ancient plant DNA in lake sediments. *New Phytologist*, 214 (3): 924-942.
- Seiwa, K. and K. Aruga (2017) *Living with trees - Furniture and forest ecology*, pp 209, Tsukiji Publishing.
- Sasaki, T., Y. Yoshihara, M. Takahashi, L. Byambatsetseg, R. Futahashi, D. Nyambayar and Y. Suyama (2017)

Distinct responses and mechanisms of ecosystem function following experimental species loss scenarios. *Oecologia*, 183 (3): 785-795.

- Shirato, Y., T. Kosaki, T. Okano, M. Nanzyo, J. Takahashi, K. Mori, I. Akahane and H. Hirai (2017) From international year of soils 2015 to international decade of soil 2015-2024. *Japanese Journal of Soil Science and Plant Nutrition*, 88: 188-193. (in Japanese)
- Shirouzu, T., Y. Fukasawa and Y. Nakamura (2017) *Femsjonia uniseptata* (Dacrymycetes, Basidiomycota), a new species collected from *Pinus densiflora* forests in Japan. *Phytotaxa*, 312: 271-278.
- Tamaki, I., Y. Watanabe, Y. Matsuki, Y. Suyama and M. Mizuno (2017) Inconsistency between morphological traits and ancestry of individuals in the hybrid zone between two *Rhododendron japonheptamerum* varieties revealed by a genotyping-by-sequencing approach. *Tree Genetics & Genomes*, 13 (1): 4.
- Togami, K., K. Miura, K. Ito, H. Kanno, T. Takahashi and M. Nanzyo (2017) Elemental affinity for siderite found in a Japanese paddy subsoil. *Soil Science and Plant Nutrition*, 63: 101-109.
- Takahashi, Y., R. A. Dahlgren, H. Kanno, M. Nanzyo and T. Takahashi (2017) Mechanisms for high potassium selectivity of soils dominated by halloysite from northern California. USA. *Soil Science and Plant Nutrition*, 64: 90-99.

### **The Ruminant Production Group**

- Akematsu, T., Y. Fukuda, J. Garg, J. S. Fillingham, R. E. Pearlman and J. Loidl (2017) Post-meiotic DNA double-strand breaks occur in *Tetrahymena* and require Topoisomerase II and Spo11. *eLIFE*, Jun 16; 6. pii: e26176.
- Amer, S., A. ElKhatam, Y. Fukud, L.I. Bakr, S. Zidan, A. AElsify, M.A. Mohamed, C. Tada and Y. Nakai (2017) Prevalence and Identity of *Taenia multiceps* cysts “*Coenurus cerebralis*” in Sheep in Egypt. *Acta Tropica*, 176: 270–276.
- Amer, S., A. ElKhatam, Y. Fukud, L.I. Bakr, S. Zidan, A. AElsify, M.A. Mohamed, C. Tada and Y. Nakai (2017) Clinical, pathological, and molecular data concerning *Coenurus cerebralis* in Sheep in Egypt. Data in Brief, Published online 2017 Nov. 4
- Baba, Y., Y. Matsuki, Y. Mori, Y. Suyama, C. Tada, Y. Fukuda, M. Saito and Y. Nakai (2017) Pretreatment of lignocellulosic biomass by cattle rumen fluid for methane production: Bacterial flora and enzyme activity analysis. *Journal of Bioscience and Bioengineering*, 123(4): 489–496.
- Chen, S., S-G. Roh, S. Sato and S. Ogura (2017) Relationship of serum oxytocin concentration to positive social behaviors in cattle. *Journal of Integrated Field Science*, 14: 15-21.
- Chen, S. and S. Ogura (2017) Effect of environmental enrichment on welfare of cattle. *Journal of Integrated Field Science*, 14: 55-59.
- Fukasawa, M. (2017) Chapter 16. Genetic selection. In: *Animal welfare 2<sup>nd</sup> Edition*, S. Sato and Y. Kakuma (Eds.), pp. 334-352, Midori shobo, Tokyo. (in Japanese)
- Fukasawa, M. (2017) 2-7 Cattle behavior under grazing condition. In: *Cattle management in each life stage*,. Takahashi, T., H. Nakatsuji and S. Morita (Eds.), pp. 108-112, Midori shobo, Tokyo. (in Japanese)
- Fukasawa, M. (2017) Dairy cow’s behavior under heat stress condition. In: *Current agricultural technology in livestock production*. Vol. 10, pp. 247-254, Rural Culture Association Japan, Tokyo. (in Japanese)
- Higashiyama, Y., T. Komatsu and M. Fukasawa (2017) Effect of suckling period on growth performance, blood metabolites, and behavior in Japanese Black calves. *Nihon Chikusan Gakkaiho* 88(4): 455-462. (in Japanese with English summary)
- Iwamoto, M., H. Osakada, C. Mori, Y. Fukuda, K. Nagao, C. Obuse, Y. Hiraoka and T. Haraguchi (2017) Compositionally distinct nuclear pore complexes of functionally distinct dimorphic nuclei in ciliate *Tetrahymena*. *Journal of cell science*, 15: 130(10): 1822–1834.
- Jang, SY., S. Ogura, K. Kawamura, M. Yayota, YS. Yun, HJ. Seong, SH. Moon and BT. Jeon (2017) Seasonal changes in forage and animal productivity of Korean native goats grazed at different forage type. *Journal of Integrated Field Science*, 14: 29-31.
- Komissarov, M., S. Ogura, H. Kato and M. Saito (2017) Effects of plowing on vertical distribution of radioactive Cs and soil physicochemical properties in temperate pastures. *Grassland Science*, 63: 265-272. DOI: 10.1111/grs.12172
- Komissarov, M. and S. Ogura (2017) Distribution and migration of radiocesium in sloping landscape three years after the Fukushima-1 Nuclear Accident. *Eurasian Soil Science*, 50(7): 861-871.
- Kawamura, K., JH. Lim, M. Yayota, S. Ogura, SY. Jang and SH. Moon (2017) Monitoring spatial heterogeneity of pasture within paddock scale using small Unmanned Aerial Vehicle (sUAV). *Journal of Integrated Field Science*, 14: 61-66.
- Lim, JH., K. Kawamura, R. Yoshitoshi, M. Yayota and S. Ogura (2017) Hyperspectral assessment for legume contents and forage nutrient status in pasture. *Journal*

- of Integrated Field Science, 14: 67-75.
- Matsubara, R., Y. Fukuda, F. Murakoshi, O. Nomura, T. Suzuki, C. Tada and Y. Nakai (2017) Detection and molecular status of *Isospora* sp. from the domestic pigeon (*Columba livia domestica*). *Parasitology International*, Oct;66(5): 588–592.
- Nakano, M. and S. Ogura (2017) Effect of plant-species richness on microbial composition and rumen function. *Journal of Integrated Field Science*, 14: 33-37.
- Nguyen, S. T., Y. Fukuda, D. T. Nguyen, H. T. Dao, D. Q. LE, K. L. Bui, C. Tada and Y. Nakai (2017) Prevalence, genotyping and risk factors of *Giardia duodenalis* from dogs in Vietnam. *The Journal of veterinary medical science*, Published online Nov. 29.
- Nakamura, K., R. Hatakeyama, T. Nobuaki, T. Takisawa, C. Tada and K. Nakano (2017) A novel design for a compact constructed wetland introducing multi-filtration layers coupled with subsurface superficial space. *Ecological Engineering*, 100: 99–106.
- Ogura, S., R. Yusa, K. Yusa, H. Karino and M. Saito (2017) Effect of high tensile steel electric fence on intrusion of Japanese black bear in a forage maize field. *Tohoku Journal of Animal Science and Technology*, 67(1): 7-15. (in Japanese with English summary)
- Ogura, S., K. Shibuya, R. Yusa, T. Chiba, K. Yusa, H. Karino and M. Saito (2017) The effect of plowing on reduction of radioactive cesium pollution in pastures and forage crop fields at Kawatabi Field Science Center, Tohoku University. *Bulletin of Integrated Field Science Center*, 32: 1-8. (in Japanese)
- Ogura, S., I. Kajiwaru and S. Sato (2017) Effect of water temperature on drinking behavior and stress response of sheep. *Proceedings of the 51st Congress of the International Society for Applied Ethology*, pp. 98.
- Ogura, S., H. Mizuno, S. Takamizawa, M. Yayota and K. Kawamura (2017) Nutritional characteristics of forbs and tree leaves and their contribution to animal production in species-rich vegetation. *Journal of Integrated Field Science*, 14: 23-27.
- Tozawa, A., S. Ogura, Y. Maeda, Y. Kato and Y. Nakai (2017) Measurement of physiological substances in milk for evaluating welfare level of cows. *Book of Abstracts of the 68th Annual Meeting of the European Federation of Animal Science*, pp. 408.
- Tozawa, A. and S. Sato (2017) Comparison of welfare and the physiological stress levels of fattening pigs among various rearing system in Japan. *Nihon Chikusan Gakkaiho*, 88(4): 497-506. (in Japanese with English summary)
- Tozawa, A. and S. Sato (2017) Contribution of rearing at pasture on improvement of animal welfare in fattening pigs. *Journal of Integrated Field Science*, 14: 49-53.
- Tada, C., T. Kotogaoka, M. Takada, Y. Fukuda and Y. Nakai (2017) Monitoring of pathogenic microorganisms originating from nomadic livestock feces in the Tuul River basin of Mongolia. *Journal of Animal Production Environment Science*, Published online 2017 Dec. 8
- Yayota, M., K. Doi, K. Kawamura and S. Ogura (2017) Monitoring foraging behavior in ruminants in a diverse pasture. *Journal of Integrated Field Science*, 14: 39-47.
- Yin, L., T. Shishido and S. Ogura (2017) Effect of cattle dung pats on physical property of soil. *Annual Report of the Project of Integrated Compost Science (PICS)*, pp. 48-51. (in Japanese)

### ***The Rice Production Group***

- Gao, X., S. Kim, H. Minoshima, T. Ito and S. Kitamura (2017) Effect of the mineralogical phases in steelmaking slag fertilizer on the dissolution behavior of nutritious elements and rice growth. *Journal of Sustainable Metallurgy*, 3: 207-218.
- Ito, T. (2017) Effective use technology of animal manure compost as renewable phosphorus resource. *Saisei to Riyou*, Vol.41 (No. 37): 33-40. (in Japanese)
- Komissarov, M., S. Ogura, H. Kato and M. Saito (2017) Effects of plowing on vertical distribution of radioactive Cs and soil physicochemical properties in temperate pastures. *Grassland Science*, 63: 265-272. DOI: 10.1111/grs.12172
- Nakai, Y., T. Nishio, H. Kitashiba, M. Nanzyo, M. Saito, T. Ito, M. Omura and Y. Kanayama (2017) Tohoku University Rapeseed Project for Restoring Tsunami-Salt-Damaged Farmland: Was the Wisdom of Agricultural Science Utilized for the Restoration? In: *Advances in Natural and Technological Hazards Research* Vol. 47, “The 2011 Japan Earthquake and Tsunami: Reconstruction and Restoration Insights and Assessment after 5 Years”, Santiago-Fandiño V., S. Sato, N. Maki and K. Iuchi (Eds.), pp.369-383, Springer First Online: 13 July 2017
- Nira, R., T. Takahashi, T. Ito, K. Hosokawa, K. Inoue and K. Minamikawa (2017) Significance of winter flooding in paddy field, its effect on soil nutrient dynamics and greenhouse gases emission. *Japanese Journal of Soil Science and Plant Nutrition*, 88: 277-282. (in Japanese)
- Saito, M. (2017) Arbuscular Mycorrhizal Fungi, In “*Dictionary of Phosphorus*” Ohtake, H. et al. (Ed.), Asakura Shoten Pub. (in Japanese)

- Saito, M. (2017) Microorganisms in agriculture. In: Dictionary of Food and Microorganisms, Kitamoto, K. et al. (Ed.), Asakura Shoten Pub. (in Japanese)
- Sekine, A., H. Kanno, T. Takahashi, T. Uno, T. Tajima, T. Ito and M. Saito (2017) Characteristics of dissolution of radio Cs from plant residues and litter contaminated with the accident of Fukushima Daiichi Nuclear Power Plant. Annual Meeting of Tohoku Branch of Japanese Society of Soil Science and Plant Nutrition, Morioka (in Japanese)
- Saito, M., T. Hoshino, T. Chiba, A. Hio and S. Ogura (2017) Vertical distribution of radio Cs of grassland soils in relation to radio Cs concentration in grass after grassland renovation for decontamination. Annual Meeting of Tohoku Branch of Japanese Society of Soil Science and Plant Nutrition, Morioka (in Japanese)
- Suzuki, T., T. Uno, R. Tajima, T. Ito and M. Saito (2017) Optimum level of soil available phosphorus for AMF inoculation to Welsh onion in non-allophanic Andosol, 9th International Conference on Mycorrhiza, Prague, 31 July – 4 August, 2017
- Tajima, R. (2017) Phenotyping of root system architecture using root model. 2017 JST International Workshop on Field Phenotyping and Modeling for Cultivation, Tokyo. (8-9/Dec/2017)
- Marine Bio-Production Group**
- Ando, D., M. Ikeda, M. Sekino, T. Sugaya, D. Katamachi, K. Yoseda and A. Kijima (2017) Development of a multiplex PCR assay system for genetic diversity analysis of the Japanese flounder *Paralichthys olivaceus*. *Fish Genetics and Breeding Science*, 46: 65-76. (in Japanese with English abstract)
- Ikeda, M., D. Ando, T. Sugaya, D. Katamachi, K. Yoseda, T. Fujii and Y. Obata (2017) Evaluation for recent stock enhancement program of Japanese flounder *Paralichthys olivaceus* based on relatedness analysis. *Fish Genetics and Breeding Science*, 46: 99-104. (in Japanese with English abstract)
- Ikeda, M. (2017) Reconstruction of Onagawa Field Center. *Nippon Suisan Gakkaishi*, 83: 245-248. (in Japanese)
- Ikeda, M. and D. Ando (2017) Evaluation for genetic diversity of hatchery-produced fingerlings from captured wild broodstocks of Japanese flounder. *Yutakanaumi*, 42: 8-13. (in Japanese)
- Ikeda, M. (2017) Assessment of genetic diversities in reintroduced populations of endangered freshwater fishes. In “Arising Fishes” (ed. by Takahashi K.), Koseisha-Koseikaku, Tokyo, pp. 155-162. (In Japanese)
- Kijima, A., K. Kogure, H. Kitazato and K. Fujikura (2017) “The 2011 Japan Earthquake and Tsunami: Reconstruction and Restoration”. Springer, 105-110. (in Japanese with English abstract)
- Katamachi, D., M. Ikeda, D. Ando, T. Sugaya, K. Yoseda, T. Fujii and Y. Obata (2017) Genetic characteristics of hatchery-reared juveniles for stock enhancement program of Tiger puffer *Takifugu rubripes*. *Fish Genetics and Breeding Science*, 46: 105-110. (in Japanese with English abstract)
- Kurita, Y., I. Chiba and A. Kijima (2017) Physical eradication of small planktonic crustaceans from aquaculture tanks with cavitation treatment. *Aquaculture International*, 25: 2127-2133.
- Kurita, Y. (2017) Biological report of a giant deep-sea squid *Onykia robusta* collected from the Sanriku coast, Japan: Implications for low genetic diversity. *Marine Biodiversity*, 1-4.
- Sugaya, T., M. Saio, S. Murakami, K. Tokihiro, N. Noguchi, D. Katamachi, M. Ikeda and Y. Obata (2017) The functionality and usage of the newly developed software supporting the massive parentage analysis in the evaluation of the effect of stock enhancement. *Fish Genetics and Breeding Science*, 46: 87-91. (in Japanese with English abstract)
- Takahashi, D., K. Kaneko, Y. Gomi, Y. Minegishi, M. Shoji, H. Endo and A. Kijima (2017) Short-term flow fluctuations in Onagawa Bay, Japan, as revealed by long-term mooring observation. *Journal of Oceanography*, 73: 67-86.
- Yamazaki, D., O. Miura, M. Ikeda, A. Kijima, DV. Tu, T. Sasaki and S. Chiba (2017) Genetic diversification of intertidal gastropoda in an archipelago: the effects of islands, oceanic currents, and ecology. *Marine Biology*, 164: 184.
- Integrated Field Control Group**
- Furuya, S., C. Yonezawa, M. Watanabe, J. Sonoda and Y. Kanazawa (2017) Accuracy evaluation of GNSS receiver for searching for missing person and lost article. Proceedings of the 26th Annual Meeting of the Geographic Information Systems Association of Japan (in Japanese with English abstract)
- Morita, K. (2017) The Significance of Agricultural Economics and Social Responsibility of Agricultural Economics Society of Japan. *Journal of Rural Economics*, 89(2): pp.63-68. (in Japanese, Presidential Address)
- Morita, K. (2017) Elucidation of a management establishment support policy and the condition of the



- community reception according to the type of new farmers. *Vegetable Information*, 160: pp.38-47.
- Morita, K. (2017) The Significance of Agricultural Economics and Social Responsibility of Agricultural Economics Society of Japan, The Agricultural Economics Society of Japan, March 28, 2017, Chiba University. (invited lecture, Presidential Address)
- Jia, L. and K. Morita (2017) The Development of Agricultural Enterprise Forms in China: With Farmer Cooperatives and Jiating Farms as example. March 28, 2017 The Agricultural Economics Society of Japan, Chiba University. (general lecture)
- Saito, Y., Y. Senzaki, C. Yonezawa, K. Chiba and H. Jinguji (2017) Assessment of mid – summer drainage regime on the potential for *Sympetrum frequens* conservation by using low threshold temperature and total effective temperature for development of larvae to 10th instar. *Transactions of The Japanese Society of Irrigation, Drainage and Rural Engineering*, 85: 1-37-1-46. (in Japanese with English abstract)
- Sekizawa, A., C. Yonezawa, D. Takahashi, K. Nagasawa and M. Osada (2017) Estimation of chlorophyll-a concentration in a scallop farm using Remote Sensing data. The 2017 spring meeting of the Japanese Society of Fisheries Science. (oral presentation, in Japanese)
- Sonoda, J., M. Watanabe, C. Yonezawa and Y. Kanazawa, (2017) Development of object detection method using multiple radars under the large scale natural disaster. *Proceedings of the 2017 IEICE Society Conference*. (oral presentation, in Japanese)
- Saito, Y., Y. Senzaki, C. Yonezawa, K. Chiba and H. Jinguji (2017) Visualization of incubation prediction day for *Sympetrum frequens* and suggestion of mid – summer drainage extension day for its conservation using GIS. *Proceedings of the 26th Annual Meeting of the Geographic Information Systems Association of Japan*. (Japanese abstract)
- Sekizawa, A. and C. Yonezawa (2017) Estimation of chlorophyll-a concentration in a scallop farm using MODIS data. *Proceedings of the 26th Annual Meeting of the Geographic Information Systems Association of Japan*. (Japanese abstract)
- Watanabe, M., C. Yonezawa, J. Sonoda and M. Shimada (2017) Trial of Detection for Landslide Areas from Wide Range of Image Obtained by L band SAR (PARSAR 2), *Journal of The Remote Sensing Society of Japan*, 37(1): 21-26. (in Japanese with English abstract)
- Watanabe, M., H. Takakura, C. Yonezawa, Y. Yoshikawa and M. Shimada (2017) Detection of Ice-Jam Floods Using PALSAR Full-Polarimetry Data. *Global Warming and Human - Nature Dimension in Northern Eurasia*, pp. 71-85. DOI: 10.1007/978-981-10-4648-3\_5
- Yonezawa, C. and M. Watanabe (2017) Paddy Rice Field Extraction From Full Polarimetric Pi-SAR-L2 Data Acquired at Maturing Stage. *Proceedings of International Symposium on Remote Sensing 2017*, pp. 806-809.
- Yonezawa, C. (2017) Possibility of Well Grown Paddy Rice Field Identification Using PALSAR-2 Full Polarimetric Data. *Journal of The Remote Sensing Society of Japan*, 37(3), pp. 204-212. (in Japanese with English abstract)
- Yonezawa, C. and M. Watanabe (2017) Airborne L-Band SAR Observation for Paddy Rice Fields in Semi-Mountainous Region. *Proceedings of International Geoscience and Remote Sensing Symposium 2017*, pp. 5073-5076. DOI: 10.1109/IGARSS.2017.8128143
- Yonezawa, C. (2017) Analysis of PALSAR-2 full polarimetric data acquired over agricultural area on paddy rice earing stage in the Sendai Plain. the 63rd Autumn meeting of the remote sensing society of Japan, pp. 313-314. (in Japanese with English abstract)
- Yonezawa, C. (2017) Vegetation monitoring on Kawatabi field science center by remote sensing. FY28 Symposium of Project of Integrated compost Science. (oral presentation, in Japanese)
- Yonezawa, C. (2017) Agricultural field monitoring using Pi-SAR-L2 full polarimetric data. The 3<sup>rd</sup> workshop for Pi-SAR-L2. (oral presentation, in Japanese)
- Yonezawa, C., S. Ogura and M. Saito (2017) Monitoring Temporal Vegetation Changes on Ungrazed Grassland by Satellite and Paramotor Remote Sensing. *Journal of Integrated Field Science*, 14: 112.